Vol. 56 No. 21 Thursday, January 31, 1991 p 3864

This article, FR83, is divided into three files.
This is File A: Preamble and changes to federal regulations, part 148 through 268.42.

NOTE: This article contained several typographical errors when it was published in the Federal Register. Some of these errors in Table CCWE (268.41), Table 2 (268.42), and Table CCW (268.43) have been corrected in this electronic version of the article, based on information from EPA State and Regional Programs Branch.

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Parts 148, 261, 268, and 270

[FRL-3866-4]

Land Disposal Restrictions for Third Third Scheduled Wastes

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final rule; technical amendment.

SUMMARY: On June 1, 1990, EPA published regulations promulgating congressionally-mandated prohibitions on land disposal of certain hazardous wastes. This notice corrects errors and clarifies the language in the preamble and regulations of the June 1, 1990 final rule.

EFFECTIVE DATE: This rule is effective on January 31, 1991.

ADDRESSES: The RCRA docket is open from 9:30 to 3:30, Monday through Friday, excluding Federal holidays, and is located at the following address: EPA RCRA Docket (OS-305), Room M-2427, 401 M Street, SW., Washington, DC 20460. The public must make an appointment to review docket materials by calling (202) 475-9327. Refer to Docket number F-90-L13A-FFFFF when making appointments to review any background documentation for this rulemaking. The public may copy a maximum of 100 pages of material from any one regulatory docket at no cost; additional copies cost $0.15 per page.

FOR FURTHER INFORMATION CONTACT: For general information contact the RCRA Hotline at (800) 424-9346 (toll-free) or (202) 382-3000 in the Washington, DC metropolitan area. For technical information contact Rhonda Craig, Office of Solid Waste (OS-320W), U.S. Environmental Protection Agency, 401 M Street, SW., Washington, DC 20460, (703) 308-8462.

>>>> Preamble has not been included in this file. <<<<

For the reasons set out in the preamble, title 40, chapter I of the Code of Federal Regulations is amended as follows:

PART 148-HAZARDOUS WASTE INJECTION RESTRICTIONS

1. The authority citation for part 148 continues to read as follows:

Authority: Section 3004, Resource Conservation and Recovery Act, 42 U.S.C. 6901 et seq.

2. Section 148.10 is amended by redesignating paragraph (c) as (e), and adding new paragraphs (c) and (d), and Tables A and B to the end of the section to read as follows:

§ 148.10 Waste specific prohibitions-solvent wastes.
* * * * *

(c) Effective August 8, 1990, all spent F002 and F005 wastes containing solvent constituents listed in Table B of this section are prohibited from underground injection at off-site injection facilities.

(d) Effective November 8, 1990, the wastes specified in paragraph (c) of this section are prohibited from underground injection at on-site injection facilities.

(e) * * *

Table A

Acetone
n-Butyl alcohol
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Cresols and cresylic acid
Cyclohexanone
1,2-dichlorobenzene
Ethyl acetate
Ethyl benzene
Isobutanol
Methanol
Methylene chloride
Methylene chloride (from the pharmaceutical industry)
Methyl ethyl ketone
Nitrobenzene
Pyridine
Tetrachloroethylene
Toulene
1,1,1-Trichloroethane
1,2,2-Trichloro-1,2,2-trifluoroethane
Trichloroethylene
Trichlorofluoromethane
Xylene

Table B

Benzene
2-Ethoxyethanol
2-Nitropropane
1,1,2-Trichloroethane

3. In § 148.16 paragraph (c) is revised to read as follows:

§ 148.16 Waste specific prohibitions-third third wastes.
* * * * *

(c) Effective August 8, 1990, the wastes identified in 40 CFR 261.31 as EPA Hazardous Waste Number F039 (nonwastewaters); the wastes specified in 40 CFR 261.32 as EPA Hazardous Waste Numbers K002, K003, K005 (wastewaters), K006, K007 (wastewaters), K026, K032, K033, K034, and K100 (wastewaters); the wastes specified in 40 CFR 261.33 as P006, P009, P017, P022, P023, P024, P028, P031, P033, P034, P038, P042, P045, P046, P047, P051, P056, P064, P065, P073, P075, P076, P077, P078, P088, P093, P095, P096, P101, P103, P116, P118, P119,

U001, U004, U006, U017, U024, U027, U030, U033, U034, U038, U039, U042, U045, U048, U052, U055, U056, U068, U071, U072, U075, U076, U079, U081, U082, U084, U085, U090, U091, U096, U112, U113, U117, U118, U120, U121, U123, U125, U126, U132, U136, U141, U145, U148, U152, U153, U156, U160, U166, U167, U181, U182, U183, U184, U186, U187, U191, U194, U197, U201, U202, U204, U207, U222, U225, U234, U236, U240, U243, U246, and U247; and the wastes identified in 40 CFR 261.21, 261.23 or 261.24 as hazardous based on a characteristic alone, designated as D001, D004, D005, D006, D008, D009 (wastewaters), D010, D011, D012, D013, D014, D015, D016, D017, and newly listed waste F025 are prohibited from underground injection at off-site injection facilities.
* * * * *

PART 261-IDENTIFICATION AND LISTING OF HAZARDOUS WASTES

1. The authority citation for part 261 continues to read as follows:

Authority: 42 U.S.C. 6905, 6912(a), 6921, 6922, and 6938.

Subpart C-Characteristics of Hazardous Waste

2. Section 261.3 is amended by revising paragraph (d)(1) to read as follows:

§ 261.3 Definition of hazardous waste.
* * * * *

(d) * * *

(1) In the case of any solid waste, it does not exhibit any of the characteristics of hazardous waste identified in Subpart C. (However, wastes that exhibit a characteristic at the point of generation may still be subject to the requirements of Part 268, even if they no longer exhibit a characteristic at the point of land disposal.)
* * * * *

3. Section 261.20, paragraph (b) is revised to read as follows:

§ 261.20 General.
* * * * *

(b) A hazardous waste which is identified by a characteristic in this Subpart is assigned every EPA Hazardous Waste Number that is applicable as set forth in this Subpart. This number must be used in complying with the notification requirements of section 3010 of the Act and all applicable recordkeeping and reporting requirements under Parts 262 through 265, 268, and 270 of this chapter.
* * * * *

4. Section 261.31(a), the table is amended by revising the entry for F039 to read as follows:

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
*	* * * * * *	*
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under Subpart D of this Part. (Leachate resulting from the disposal of one or more of the following EPA Hazardous	(T)

Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)

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* * * * *

PART 262-STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE

1. The authority citation for part 262 continues to read as follows:

Authority: 42 U.S.C. 6906, 6912, 6922, 6923, 6924, 6925, and 6937.

2. Note 2 in § 262.10 is revised to read as follows:

§ 262.10 Purpose, scope, and applicability.
* * * * *

Note 2: A generator who treats, stores, or disposes of hazardous waste on-site must comply with the applicable standards and permit requirements set forth in 40 CFR parts 264, 265, 266, 268, and 270.

3. Section 262.11 is amended by revising the introductory text of paragraph (c) to read as follows:

§ 262.11 Hazardous waste determination.
* * * * *

(c) For purposes of compliance with 40 CFR part 268, or if the waste is not listed in subpart D of 40 CFR part 261, the generator must then determine whether the waste is identified in subpart C of 40 CFR part 261 by either:
* * * * *

4. Section 262.34 is amended by revising paragraph (d)(4) to read as follows:

§ 262.34 Accumulation time.
* * * * *

(d) * * *

(4) The generator complies with the requirements of paragraphs (a)(2) and (a)(3) of this section, the requirements of subpart C of part 265, the requirements of 40 CFR 268.7(a)(4); and
* * * * *

PART 268-LAND DISPOSAL RESTRICTIONS

1. The authority citation for part 268 continues to read as follows:

Authority: 42 U.S.C. 6905, 6912(a), 6921, and 6924.

2. Section 268.2 is amended by revising paragraphs (d), (f)(1), (f)(2), and (g) to read as follows:

§ 268.2 Definitions applicable in this part.
* * * * *

(d) Nonwastewaters are wastes that do not meet the criteria for wastewaters in paragraph (f) of this section.
* * * * *

(f) * * *

(1) F001, F002, F003, F004, F005, wastewaters are solvent-water mixtures that contain less than 1% by weight TOC or less than 1% by weight total F001, F002, F003, F004, F005 solvent constituents listed in § 268.41, Table CCWE.

(2) K011, K013, K014 wastewaters contain less than 5% by weight TOC and less than 1% by weight TSS, as generated.
* * * * *

(g) Inorganic Solid Debris means nonfriable inorganic solids contaminated with D004-D011 hazardous wastes that are incapable of passing through a 9.5 mm standard sieve; and that require cutting, or crushing and grinding in mechanical sizing equipment prior to stabilization; and, are limited to the following inorganic or metal materials:

(1) Metal slags (either dross or scoria);

(2) Glassified slag;

(3) Glass;

(4) Concrete (excluding cementitious or pozzolanic stabilized hazardous wastes);

(5) Masonry and refractory bricks;

(6) Metal cans, containers, drums, or tanks;

(7) Metal nuts, bolts, pipes, pumps, valves, appliances, or industrial equipment;

(8) Scrap metal as defined in 40 CFR 261.1(c)(6);

3. Section 268.7 is amended by redesignating paragraphs (a)(6) through (a)(9) as paragraphs (a)(7) through (a)(10); by revising paragraphs (a) introductory text, (a)(1)(ii), (a)(2)(i)(B), (a)(3)(ii), (a)(7), (b)(4)(ii), and the section heading; and by adding paragraph (a)(6) to read as follows:

§ 268.7 Waste analysis and recordkeeping.

(a) Except as specified in § 268.32 of this part, if a generator's waste is listed in 40 CFR part 261, subpart D, the generator must test his waste, or test an extract using the test method described in part 261, appendix II, or use knowledge of the waste, to determine if the waste is restricted from land disposal under this part. Except as specified in § 268.32 of this part, if a generator's waste exhibits one or more of the characteristics set out at 40 CFR part 261, subpart C, the generator must test an extract using the test method described in appendix IX of this part, or use knowledge of the waste, to determine if the waste is restricted from land disposal under this Part.

(1) * * *

(ii) The corresponding treatment standards for wastes F001-F005, F039, and wastes prohibited pursuant to § 268.32 or RCRA section 3004(d). Treatment standards for all other restricted wastes must either be included, or be referenced by including on the notification the applicable wastewater (as defined in § 268.2(f)) or nonwastewater (as defined in § 268.2(d)) category, the applicable subdivisions made within a waste code based on waste-specific criteria (such as D003 reactive cyanides), and the CFR section(s) and paragraph(s) where the applicable treatment standard appears. Where the

applicable treatment standards are expressed as specified technologies in § 268.42, the applicable five-letter treatment code found in Table 1 of § 268.42 (e.g., INCIN, WETOX) also must be listed on the notification.
* * * * *

(2) * * *

(i) * * *

(B) The corresponding treatment standards for wastes F001-F005, F039, and wastes prohibited pursuant to § 268.32 or RCRA section 3004(d). Treatment standards for all other restricted wastes must either be included, or be referenced by including on the notification the applicable wastewater (as defined in § 268.2(f)) or nonwastewater (as defined in § 268.2(d)) category, the applicable subdivisions made within a waste code based on waste-specific criteria (such as D003 reactive cyanides), and the CFR section(s) and paragraph(s) where the applicable treatment standard appears. Where the applicable treatment standards are expressed as specified technologies in § 268.42, the applicable five-letter treatment code found in Table 1 of § 268.42 (e.g., INCIN, WETOX) also must be listed on the notification.
* * * * *

(3) * * *

(ii) The corresponding treatment standards for wastes F001-F005, F039, and wastes prohibited pursuant to § 268.32 or RCRA section 3004(d). Treatment standards for all other restricted wastes must either be included, or be referenced by including on the notification the applicable wastewater (as defined in § 268.2(f)) or nonwastewater (as defined in § 268.2(d)) category, the applicable subdivisions made within a waste code based on waste-specific criteria (such as D003 reactive cyanides), and the CFR section(s) and paragraph(s) where the applicable treatment standard appears. Where the applicable treatment standards are expressed as specified technologies in § 268.42, the applicable five-letter treatment code found in Table 1 of § 268.42 (e.g., INCIN, WETOX) also must be listed on the notification.
* * * * *

(6) If a generator determines that he is managing a restricted waste that is excluded from the definition of hazardous or solid waste or exempt from Subtitle C regulation, under 40 CFR 261.2-261.6 subsequent to the point of generation, he must place a one-time notice stating such generation, subsequent exclusion from the definition of hazardous or solid waste or exemption from Subtitle C regulation, and the disposition of the waste, in the facility's file.

(7) Generators must retain on-site a copy of all notices, certifications, demonstrations, waste analysis data, and other documentation produced pursuant to this section for at least five years from the date that the waste that is the subject of such documentation was last sent to on-site or off-site treatment, storage, or disposal. The five year record retention period is automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Administrator. The requirements of this paragraph apply to solid wastes even when the hazardous characteristic is removed prior to disposal, or when the waste is excluded from the definition of hazardous or solid waste under 40 CFR 261.2-261.6, or exempted from Subtitle C regulation, subsequent to the point of generation.
* * * * *

(b) * * *

(4) * * *

(ii) The corresponding treatment standards for wastes F001-F005, F039, and wastes prohibited pursuant to § 268.32 or RCRA section 3004(d). Treatment standards for all other restricted wastes must either be included, or be referenced by including on the notification the applicable wastewater (as defined in § 268.2(f)) or nonwastewater (as defined in § 268.2(d)) category, the applicable subdivisions made within a waste code based on waste-specific criteria (such as D003 reactive cyanides), and the CFR section(s) and paragraph(s) where the applicable treatment standard appears. Where the applicable treatment standards are expressed as specified technologies in § 268.42, the applicable five-letter treatment code found in Table 1 of § 268.42 (e.g., INCIN, WETOX) also must be included on the notification.
* * * * *

4. Section 268.9 is amended by revising paragraphs (a) and (d)(1)(ii) to read as follows:

§ 268.9 Special rules regarding wastes that exhibit a characteristic.

(a) The initial generator of a solid waste must determine each EPA Hazardous Waste Number (waste code) applicable to the waste in order to determine the applicable treatment standards under subpart D of this part. For purposes of part 268, the waste will carry the waste code for any applicable listing under 40 CFR part 261, subpart D. In addition, the waste will carry one or more of the waste codes under 40 CFR part 261, subpart C, where the waste exhibits a characteristic, except in the case when the treatment standard for the waste code listed in 40 CFR part 261, subpart D operates in lieu of the standard for the waste code under 40 CFR part 261, subpart C, as specified in paragraph (b) of this section.
* * * * *

(d) * * *

(1) * * *

(ii) A description of the waste as initially generated, including the applicable EPA Hazardous Waste Number(s), the applicable wastewater (as defined in § 268.2(f)) or nonwastewater (as defined in § 268.2(d)) category, and the subdivisions made within a waste code based on waste-specific criteria (such as D003 reactive cyanides).
* * * * *

§ 268.10 [Amended]

5. Section 268.10 is amended by removing the entries for the following hazardous wastes: K048, K049, K050, K051, and K052.

6. Section 268.12(a) is amended by adding the following hazardous wastes in alphanumeric order:

§ 268.12 Identification of wastes to be evaluated by May 8, 1990.

(a) * * *

§ 261.32 Wastes.
* * * * *

K048-Dissolved air flotation (DAF) float from the petroleum refining industry.

K049-Slop oil emulsion solids from the petroleum refining industry.

K050-Heat exchanger bundle cleaning sludge from the petroleum refining industry.

K051-API separator sludge from the petroleum refining industry.

K052-Tank bottoms (leaded) from the petroleum refining industry.

* * * * *

Subpart C-Prohibitions on Land Disposal

7. Section 268.33 is amended by revising paragraph (b) to read as follows:

§ 268.33 Waste specific prohibitions-First Third wastes.

* * * * *

(b) Effective August 8, 1990, the waste specified in 40 CFR 261.32 as EPA Hazardous Waste Nos. K071 is prohibited from land disposal.

* * * * *

8. Section 268.35 is amended by revising paragraphs (a), (c), (d), and (e) to read as follows:

§ 268.35 Waste specific prohibitions-Third Third wastes.

(a) Effective August 8, 1990, the following wastes specified in 40 CFR 261.31 as EPA Hazardous Waste Numbers F002 (1,1,2-trichloroethane), F005 (benzene), F005 (2-ethoxy ethanol) F005 (2-nitropropane), F006 (wastewaters), F019, F025, and F039 (wastewaters); the wastes specified in 40 CFR 261.32 as EPA Hazardous Waste Numbers K002; K003; K004 (wastewaters); K005 (wastewaters); K006; K008 (wastewaters); K011 (wastewaters); K013 (wastewaters); K014 (wastewaters); K015 (nonwastewaters); K017; K021 (wastewaters); K022 (wastewaters); K025 (wastewaters); K026; K029 (wastewaters); K031 (wastewaters); K032; K033; K034; K035; K041; K042; K046 (wastewaters, reactive nonwastewaters); K048 (wastewaters); K049 (wastewaters); K050 (wastewaters); K051 (wastewaters); K052 (wastewaters); K060 (wastewaters); K061 (wastewaters) and (high zinc subcategory > 15% zinc); K069 (wastewaters, calcium sulfate nonwastewaters); K073, K083; K084 (wastewaters); K085; K095 (wastewaters); K096 (wastewaters); K097; K098; K100 (wastewaters); K101 (wastewaters); K102 (wastewaters); K105; and K106 (wastewaters); the wastes specified in 40 CFR 261.33(e) as EPA Hazardous Waste Numbers P001; P002; P003; P004; P005; P006; P007; P008; P009; P010 (wastewaters); P011 (wastewaters); P012 (wastewaters); P014; P015; P016; P017; P018; P020; P022; P023; P024; P026; P027; P028; P031; P033; P034; P036 (wastewaters); P037; P038 (wastewaters); P042; P045; P046; P047; P048; P049; P050; P051; P054; P056; P057; P058; P059; P060; P064; P065 (wastewaters); P066; P067; P068; P069; P070; P072; P073; P075; P076; P077; P078; P081; P082; P084; P088; P092 (wastewaters); P093; P095; P096; P101; P102; P103; P105; P108; P110; P112; P113; P114; P115; P116; P118; P119; P120; P122; and P123; and the wastes specified in 40 CFR 261.33(f) as EPA Hazardous Waste Numbers U001; U002; U003; U004; U005; U006; U007; U008; U009; U010; U011; U012; U014; U015; U016; U017; U018; U019; U020; U021; U022; U023; U024; U025; U026; U027; U029; U030; U031; U032; U033; U034; U035; U036; U037; U038; U039; U041; U042; U043; U044; U045; U046; U047; U048; U049; U050; U051; U052; U053; U055; U056; U057; U059; U060; U061; U062; U063; U064; U066; U067; U068; U070; U071; U072; U073; U074; U075; U076; U077; U078; U079; U080; U081; U082; U083; U084; U085; U086; U089; U090; U091; U092; U093; U094; U095; U096; U097; U098; U099; U101; U103; U105; U106; U108; U109; U110; U111; U112; U113; U114; U115; U116; U117; U118; U119; U120; U121; U122; U123; U124; U125; U126; U127; U128; U129; U130;

U131; U132; U133; U134; U135; U136 (wastewaters); U137; U138; U140; U141; U142; U143; U144; U145; U146; U147; U148; U149; U150; U151 (wastewaters); U152; U153; U154; U155; U156; U157; U158; U159; U160; U161; U162; U163; U164; U165; U166; U167; U168; U169; U170; U171; U172; U173; U174; U176; U177; U178; U179; U180; U181; U182; U183; U184; U185; U186; U187; U188; U189; U191; U192; U193; U194; U196; U197; U200; U201; U202; U203; U204; U205; U206; U207; U208; U209; U210; U211; U213; U214; U215; U216; U217; U218; U219; U220; U222; U225; U226; U227; U228; U234; U236; U237; U238; U239; U240; U243; U244; U246; U247; U248; U249; and the following wastes identified as hazardous based on a characteristic alone: D001; D002, D003, D004 (wastewaters), D005, D006; D007; D008 (except for lead materials stored before secondary smelting), D009 (wastewaters), D010, D011, D012, D013, D014, D015, D016, and D017 are prohibited from land disposal.
* * * * *

(c) Effective May 8, 1992, the following waste specified in 40 CFR 261.31 as EPA Hazardous Waste Numbers F039 (nonwastewaters); the wastes specified in 40 CFR 261.32 as EPA Hazardous Waste Numbers K031 (nonwastewaters); K084 (nonwastewaters); K101 (nonwastewaters); K102 (nonwastewaters); K106 (nonwastewaters); the wastes specified in 40 CFR 261.33(e) as EPA Hazardous Waste Numbers P010 (nonwastewaters); P011 (nonwastewaters); P012 (nonwastewaters); P036 (nonwastewaters); P038 (nonwastewaters); P065 (nonwastewaters); P087; and P092 (nonwastewaters); the wastes specified in 40 CFR 261.33(f) as EPA Hazardous Waste Numbers U136 (nonwastewaters); and U151 (nonwastewaters); the following wastes identified as hazardous based on a characteristic alone: D004 (nonwastewaters); D008 (lead materials stored before secondary smelting); and D009 (nonwastewaters); inorganic solid debris as defined in 40 CFR 268.2(g) (which also applies to chromium refractory bricks carrying the EPA Hazardous Waste Numbers K048-K052); and RCRA hazardous wastes that contain naturally occurring radioactive materials are prohibited from land disposal.

(d) Effective May 8, 1992, hazardous wastes listed in 40 CFR 268.10, 268.11, and 268.12 that are mixed radioactive/hazardous wastes, and soil or debris contaminated with hazardous wastes listed in 40 CFR 268.10, 268.11, and 268.12 that are mixed radioactive/hazardous wastes, are prohibited from land disposal.

(e) Effective May 8, 1992, the wastes specified in this section having a treatment standard in Subpart D of this Part based on incineration, mercury retorting, vitrification, acid leaching followed by chemical precipitation, or thermal recovery of metals, and which are contaminated soil or debris, are prohibited from land disposal.
* * * * *

Subpart D-Treatment Standards

9. Section 268.40 is amended by revising paragraph (a) to read as follows:

§ 268.40 Applicability of treatment standards.

(a) A restricted waste identified in § 268.41 may be land disposed only if an extract of the waste or of the treatment residue of the waste developed using the test method in Appendix II of part 261 does not exceed the value shown in Table CCWE of § 268.41 for any hazardous constituent listed in Table CCWE for that waste, with the following exceptions: D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038, and U136. These wastes may be land disposed only if an extract of the waste or of the treatment residue of the waste developed using either the test method in 40 CFR part 261, appendix II, or the test method in appendix IX of this part, does not exceed the

concentrations shown in Table CCWE of § 268.41 for any hazardous constituent listed in Table CCWE for that waste.
* * * * *

10. Table CCWE in § 268.41(a) is revised to read as follows:

§ 268.41 Treatment standards expressed as concentrations in waste extract.

(a) * * *

268.41 Table CCWE.-Constituent Concentrations in Waste Extract

Nonwastewaters					Wastewaters			
Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Concentration (mg/l)	Notes	Concentration (mg/l)	Notes
D004	NA	Table CCW in 268.43	Arsenic	7440-38-2	NA		5.0	(1)
D005	NA	Table CCW in 268.43	Barium	7440-39-3	NA		100	
D006	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA		1.0	
D007	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA		5.0	
D008	NA	Table CCW in 268.43	Lead	7439-92-1	NA		5.0	(1)
D009 (Low Mercury Subcategory-less than 260 mg/kg Mercury)	NA	Table 2 in 268. 42 and Table CCW in 268.43	Mercury	7439-97-6	NA		0.20	
D010	NA	Table CCW in 268.43	Selenium	7782-49-2	NA		5.7	
D011	NA	Table CCW in 268.43	Silver	7440-22-4	NA		5.0	
F001-F005 spent solvents.	NA	Table 2 in 268.42 and Table CCW in 268.43	Acetone	67-64-1	0.05		0.59	
			n-Butyl alcohol	71-36-3	5.0		5.0	
			Carbon disulfide	75-15-0	1.05		4.81	
			Carbon tetrachloride	56-23-5	0.05		0.96	
			Chlorobenzene	108-90-7	0.15		0.05	
			Cresols (and cresylic acid)		2.82		0.75	
			Cyclohexanone	108-94-1	0.125		0.75	
			1,2-Dichlorobenzene	95-50-1	0.65		0.125	
			Ethyl acetate	141-78-6	0.05		0.75	
			Ethylbenzene	100-41-4	0.05		0.053	
			Ethyl ether	60-29-7	0.05		0.75	
			Isobutanol	78-83-1	5.0		5.0	

			Methanol	67-56-1	0.25	0.75
			Methylene chloride	75-9-2	0.20	0.96
			Methyl ethyl ketone	78-93-3	0.05	0.75
			Methyl isobutyl ketone	108-10-1	0.05	0.33
			Nitrobenzene	98-95-3	0.66	0.125
			Pyridine	110-86-1	1.12	0.33
			Tetrachloroethylene	127-18-4	0.079	0.05
			Toluene	108-88-3	1.12	0.33
			1,1,1,-Trichloroethane	71-55-6	1.05	0.41
			1,1,2-Trichloro-1,2,2-Trifluor-ethane	76-13-1	1.05	0.96
			Trichloroethylene	79-01-6	0.062	0.091
			Trichlorofluoromethane	75-69-4	0.05	0.96
			Xylene		0.05	0.15
F006	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
			Silver	7440-22-4	NA	0.072
F007	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
			Silver	7440-22-4	NA	0.072
F008	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
			Silver	7440-22-4	NA	0.072
F009	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
			Silver	7440-22-4	NA	0.072
F011	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
			Silver	7440-22-4	NA	0.072
F012	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
			Silver	7440-22-4	NA	0.072
F019	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	5.2

F020-F023 and F026-F028 dioxin containing wastes[2]	NA	NA	HxCDD-All Hexachloro-dibenzo-p-dioxins		<1 ppb	<1 ppb
			HxCDF-All Hexachloro-dibenzofurans		<1 ppb	<1 ppb
			PeCDD-All Pentachloro-dibenzo-p-dioxins		<1 ppb	<1 ppb
			PeCDF-All Pentachloro-dibenzofurans		<1 ppb	<1 ppb
			TCDD-All Tetrachloro-dibenzo-p-dioxins			
			TCDF-All Tetrachloro-dibenzofurans		<1 ppb	<1 ppb
			2,4,5-Trichlorophenol	95-95-4	<0.05 ppm	<0.05 ppm
			2,4,6-Trichlorophenol	88-06-2	<0.05 ppm	<0.05 ppm
			2,3,4,6-Tetrachlorophenol	58-90-2	<0.05 ppm	<0.05 ppm
			Pentachlorophenol	87-86-5	<0.01 ppm	<0.01 ppm
F024	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.073
			Lead	7439-92-1	NA	[Re-served]
			Nickel	7440-02-0	NA	0.088
F039	NA	Table CCW in 268.43	Antimony	7440-36-0	NA	0.23
			Arsenic	7440-38-2	NA	5.0
			Barium	7440-39-3	NA	52
			Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Mercury	7439-97-6	NA	0.025
			Nickel	7440-02-0	NA	0.32
			Selenium	7782-49-2	NA	5.7
			Silver	7440-22-4	NA	0.072
K001	NA	Table CCW in 268.43	Lead	7439-92-1	NA	0.51
K002	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K003	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K004	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094

			Lead	7439-92-1	NA	0.37	
K005	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K006 (anhydrous)	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K006 (hydrated)	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	5.2	
K007	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K008	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K015	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7	
			Nickel	7440-02-0	NA	0.2	
K021	NA	Table CCW in 268.43	Antimony	7440-36-0	NA	0.23	
K022	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	5.2	
			Nickel	7440-02-0	NA	0.32	
K028	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.073	
			Lead	7439-92-1	NA	0.021	
			Nickel	7440-02-0	NA	0.088	
K031	NA	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
K046	NA	Table CCW in 268.43	Lead	7439-92-1	NA	0.18	
K048	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7	
			Nickel	7440-02-0	NA	0.20	
K049	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7	
			Nickel	7440-02-0	NA	0.20	
K050	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7	
			Nickel	7440-02-0	NA	0.20	
K051	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7	
			Nickel	7440-02-0	NA	0.20	
K052	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7	
			Nickel	7440-02-0	NA	0.20	
K061 (Low Zinc Subcategory-less than 15% Total Zinc)	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.14	
			Chromium (Total)	7440-47-32	NA	5.2	
			Lead	7439-92-1	NA	0.24	
			Nickel	7440-02-0	NA	0.32	
K061 (High Zinc Subcategory-	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.14	

greater than 15% Total Zinc)- Effective until August 7th 1991).							
			Chromium (Total)	7440-47-32	NA	5.2	
			Lead	7439-92-1	NA	0.24	
			Nickel	7440-02-0	NA	0.32	
K062	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K069 (Calcium Sulfate Subcate-gory).	NA	Table 2 in 268.42 and Table CCW in 268.43	Cadmium	7440-43-9	NA	0.14	
			Lead	7439-92-1	NA	0.24	
K071	NA	Table CCW in 268.43	Mercury	7439-97-6	NA	0.025	
K083	NA	Table CCW in 268.43	Nickel	7440-02-2	NA	0.088	
K084	NA	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
K086	NA	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K087	NA	Table CCW in 268.43	Lead	7439-92-1	NA	0.51	
K100	NA	Table CCW in 268.43	Cadmium	7440-43-9	NA	0.066	
			Chromium (Total)	7440-47-32	NA	5.2	
			Lead	7439-92-1	NA	0.51	
K101	NA	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
K102	NA	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
K106 (Low Mercury Subcate-gory- less than 260 mg/kg Mercury - residues from RMERC).	NA	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.020	
K106 (Low Mercury Subcate-gory- less than 260	NA	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.025	

mg/kg Mercury- that are not residues from RMERC).							
K115	NA	Table CCW in 268.43	Nickel	7440-02-0	NA	0.32	
P010	Arsenic acid	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
P011	Arsenic pentoxide	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
P012	Arsenic trioxide	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
P013	Barium cyanide	Table CCW in 268.43	Barium	7440-39-3	NA	52	
P036	Dichlorophenylarsine	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
P038	Diethylarsine	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
P065 (Low Mercury Subcate-gory- Less than 260 mg/kg Mercury - residues from RMERC).	Mercury fulminate	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.20	
P065 (Low Mercury Subcate-gory- Less than 260 mg/kg Mercury-incinerator residues (and are not residues from RMERC)).	Mercury fulminate	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.025	
P073	Nickel carbonyl	Table CCW in 268.43	Nickel	7440-02-0	NA	0.32	
P074	Nickel cyanide	Table CCW in 268.43	Nickel	7440-02-0	NA	0.32	
P092 (Low Mercury Subcate-gory- Less than 260	Phenyl mercury acetate	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.20	

mg/kg Mercury-residues from RMERC).							
P092 (Low Mercury Subcate-gory- Less than 260 mg/kg Mercury-incinerator residues (and are not residues from RMERC)).	Phenyl mercury acetate	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.025	
P099	Potassium silver cyanide	Table CCW in 268.43	Silver	7440-22-4	NA	0.072	
P103	Selenourea	Table CCW in 268.43	Selenium	7782-49-2	NA	5.7	
P104	Silver cyanide	Table CCW in 268.43	Silver	7440-22-4	NA	0.072	
P110	Tetraethyl lead	Table CCW in 268.43	Lead	7439-92-1	NA	0.51	
P114	Thallium selenite	Table CCW in 268.43	Selenium	7782-49-2	NA	5.7	
U032	Calcium chromate	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094	
U051	Creosote	Table CCW in 268.43	Lead	7439-92-1	NA	0.51	
U136	Cacodylic acid	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6	(1)
U144	Lead acetate	Table CCW in 268.43	Lead	7439-92-1	NA	0.51	
U145	Lead phosphate	Table CCW in 268.43	Lead	7439-92-1	NA	0.51	
U146	Lead subacetate	Table CCW in 268.43	Lead	7439-92-1	NA	0.51	
U151 (Low Mercury Subcate-gory- Less than 260 mg/kg Mercury-residues from RMERC).	Mercury	Table CCW in 268.43 and Table 2 in 268.42	Mercury	7439-97-6	NA	0.20	
U151 (Low Mercury Subcate-	Mercury	Table CCW in 268.43 and Table 2 in 268.42	Mercury	7439-97-6	NA	0.025	

gory- Less than 260 mg/kg Mercury- that are not residues from RMERC.						
U204	Selenium dioxide	Table CCW in 268.43	Selenium	7782-49-2	NA	5.7
U205	Selenium sulfide	Table CCW in 268.43	Selenium	7782-49-2	NA	5.7

[1]These treatment standards have been based on EP Leachate analysis but this does not preclude the use of TCLP analysis.
[2]These waste codes are not subcategorized into wastewaters and nonwastewaters.
Note: NA means Not Applicable.

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11. In § 268.42 paragraph (a)(2), Table 1, Table 2, and Table 3 in paragraph (a) are revised, and paragraph (a)(3) is added preceding Tables 1-3 to read as follows:

§ 268.42 Treatment standards expressed as specified technologies.

(a) * * *

(2) Nonliquid hazardous wastes containing halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/kg and liquid HOC-containing wastes that are prohibited under § 268.32(e)(1) of this part must be incinerated in accordance with the requirements of 40 CFR part 264, subpart O, or 40 CFR part 265, subpart O. These treatment standards do not apply where the waste is subject to a part 268, subpart D, treatment standard for a specific HOC (such as a hazardous waste chlorinated solvent for which a treatment standard is established under § 268.41(a)).

(3) A mixture consisting of wastewater, the discharge of which is subject to regulation under either section 402 or section 307(b) of the Clean Water Act, and de minimis losses of materials from manufacturing operations in which these materials are used as raw materials or are produced as products in the manufacturing process, and that meet the criteria of the D001 ignitable liquids containing greater than 10% total organic constituents (TOC) subcategory, is subject to the DEACT treatment standard described in Table 1 of this section. For purposes of this paragraph, de minimis losses include those from normal material handling operations (e.g., spills from the unloading or transfer of materials from bins or other containers, leaks from pipes, valves or other devices used to transfer materials); minor leaks from process equipment, storage tanks, or containers; leaks from well-maintained pump packings and seals; sample purgings; and relief device discharges.

Table 1.-Technology Codes and Description of Technology-Based Standards

Technology code	Description of technology-based standards
ADGAS:	Venting of compressed gases into an absorbing or reacting media (i.e., solid or liquid)-venting can be accomplished through physical release utilizing valves/piping; physical penetration of the container; and/or penetration through detonation.
AMLGM:	Amalgamation of liquid, elemental mercury contaminated with radioactive materials utilizing inorganic reagents such as copper, zinc, nickel, gold, and sulfur that result in a nonliquid, semi-solid amalgam and thereby reducing potential emissions of elemental mercury vapors to the air.
BIODG:	Biodegradation of organics or non-metallic inorganics (i.e., degradable inorganics that contain the elements of phosphorus, nitrogen, and sulfur) in units operated under either aerobic or anaerobic conditions such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the biodegradation of many organic constituents that cannot be directly analyzed in wastewater residues).

CARBN:	Carbon adsorption (granulated or powdered) of non-metallic inorganics, organo-metallics, and/or organic constituents, operated such that a surrogate compound or indicator parameter has not undergone breakthrough (e.g., Total Organic Carbon can often be used as an indicator parameter for the adsorption of many organic constituents that cannot be directly analyzed in wastewater residues). Breakthrough occurs when the carbon has become saturated with the constituent (or indicator parameter) and substantial change in adsorption rate associated with that constituent occurs.
CHOXD:	Chemical or electrolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combinations of reagents: (1) Hypochlorite (e.g. bleach); (2) chlorine; (3) chlorine dioxide; (4) ozone or UV (ultraviolet light) assisted ozone; (5) peroxides; (6) persulfates; (7) perchlorates; (8) permangantes; and/or (9) other oxidizing reagents of equivalent efficiency, performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the oxidation of many organic constituents that cannot be directly analyzed in wastewater residues). Chemical oxidation specifically includes what is commonly referred to as alkaline chlorination.
CHRED:	Chemical reduction utilizing the following reducing reagents (or waste reagents) or combinations of reagents: (1) Sulfur dioxide; (2) sodium, potassium, or alkali salts or sulfites, bisulfites, metabisulfites, and polyethylene glycols (e.g., NaPEG and KPEG); (3) sodium hydrosulfide; (4) ferrous salts; and/or (5) other reducing reagents of equivalent efficiency, performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Halogens can often be used as an indicator parameter for the reduction of many halogenated organic constituents that cannot be directly analyzed in wastewater residues). Chemical reduction is commonly used for the reduction of hexavalent chromium to the trivalent state.
DEACT:	Deactivation to remove the hazardous characteristics of a waste due to is ignitability, corrosivity, and/or reactivity.
FSUBS:	Fuel substitution in units operated in accordance with applicable technical operating requirements.
HLVIT:	Vitrification of high level mixed radioactive wastes in units in compliance with all applicable radioactive protection requirements under control of the Nuclear Regulatory Commission.
IMERC:	Incineration of wastes containing organics and mercury in units operated in accordance with the technical operating requirements of 40 CFR part 264 subpart 0 and part 265 subpart 0. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., High or Low Mercury Subcategories).
INCIN:	Incineration in units operated in accordance with the technical operating requirements of 40 CFR part 264 subpart 0 and part 265 subpart 0.
LLEXT:	Liquid-liquid extraction (often referred to as solvent extraction) of organics from liquid wastes into an immiscible solvent for which the hazardous constituents have a greater solvent affinity, resulting in an

	extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery/reuse and a raffinate (extracted liquid waste) proportionately low in organics that must undergo further treatment as specified in the standard.
MACRO:	Macroencapsulation with surface coating materials such as polymeric organics (e.g. resins and plastics) or with a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media. Macroencapsulation specifically does not include any material that would be classified as a tank or container according to 40 CFR 260.10.
NEUTR:	Neutralization with the following reagents (or waste reagents) or combinations of reagents: (1) Acids; (2) bases; or (3) water (including wastewaters) resulting in a pH greater than 2 but less than 12.5 as measured in the aqueous residuals.
NLDBR:	No land disposal based on recycling.
PRECP:	Chemical precipitation of metals and other inorganics as insoluble precipitates of oxides, hydroxides, carbonates, sulfides, sulfates, chlorides, flourides, or phosphates. The following reagents (or waste reagents) are typically used alone or in combination: (1) Lime (i.e., containing oxides and/or hydroxides of calcium and/or magnesium; (2) caustic (i.e., sodium and/or potassium hydroxides; (3) soda ash (i.e., sodium carbonate); (4) sodium sulfide; (5) ferric sulfate or ferric chloride; (6) alum; or (7) sodium sulfate. Additional floculating, coagulation or similar reagents/processes that enhance sludge dewatering characteristics are not precluded from use.
RBERY:	Thermal recovery of Beryllium.
RCGAS:	Recovery/reuse of compressed gases including techniques such as reprocessing of the gases for reuse/resale; filtering/adsorption of impurities; remixing for direct reuse or resale; and use of the gas as a fuel source.
RCORR:	Recovery of acids or bases utilizing one or more of the following recovery technologies: (1) Distillation (i.e., thermal concentration); (2) ion exchange; (3) resin or solid adsorption; (4) reverse osmosis; and/or (5) incineration for the recovery of acid_Note: this does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.
RLEAD:	Thermal recovery of lead in secondary lead smelters.
RMERC:	Retorting or roasting in a thermal processing unit capable of volatilizing mercury and subsequently condensing the volatilized mercury for recovery. The retorting or roasting unit (or facility) must be subject to one or more of the following: (a) a National Emissions Standard for Hazardous Air Pollutants (NESHAP) for mercury; (b) a Best Available Control Technology (BACT) or a Lowest Achievable Emission Rate (LAER) standard for mercury imposed pursuant to a Prevention of Significant Deterioration (PSD) permit; or (c) a state permit that establishes emission limitations (within meaning of section 302 of the Clean Air Act) for mercury. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., High or Low Mercury Subcategories).

RMETL:	Recovery of metals or inorganics utilizing one or more of the following direct physical/removal technologies: (1) Ion exchange; (2) resin or solid (i.e., zeolites) adsorption; (3) reverse osmosis; (4) chelation/solvent extraction; (5) freeze crystalization; (6) ultrafiltration and/or (7) simple precipitation (i.e., crystalization) - Note: This does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.
RORGS:	Recovery of organics utilizing one or more of the following technologies: (1) Distillation; (2) thin film evaporation; (3) steam stripping; (4) carbon adsorption; (5) critical fluid extraction; (6) liquid-liquid extraction; (7) precipitation/crystalization (including freeze crystallization); or (8) chemical phase separation techniques (i.e., addition of acids, bases, demulsifiers, or similar chemicals); - Note: this does not preclude the use of other physical phase separation techniques such as a decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.
RTHRM:	Thermal recovery of metals or inorganics from nonwastewaters in units identified as industrial furnaces according to 40 CFR 260.10 (1), (6), (7), (11), and (12) under the definition of ``industrial furnaces''.
RZINC:	Resmelting in high temperature metal recovery units for the purpose of recovery of zinc.
STABL:	Stabilization with the following reagents (or waste reagents) or combinations of reagents: (1) Portland cement; or (2) lime/pozzolans (e.g., fly ash and cement kiln dust) - this does not preclude the addition of reagents (e.g., iron salts, silicates, and clays) designed to enhance the set/cure time and/or compressive strength, or to overall reduce the leachability of the metal or inorganic.
SSTRP:	Steam stripping of organics from liquid wastes utilizing direct application of steam to the wastes operated such that liquid and vapor flow rates, as well as, temperature and pressure ranges have been optimized, monitored, and maintained. These operating parameters are dependent upon the design parameters of the unit such as, the number of separation stages and the internal column design. Thus, resulting in a condensed extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery/reuse and an extracted wastewater that must undergo further treatment as specified in the standard.
WETOX:	Wet air oxidation performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the oxidation of many organic constituents that cannot be directly analyzed in wastewater residues).
WTRRX:	Controlled reaction with water for highly reactive inorganic or organic chemicals with precautionary controls for protection of workers from potential violent reactions as well as precautionary controls for potential emissions of toxic/ignitable levels of gases released during the reaction.

Note 1: When a combination of these technologies (i.e., a treatment train) is specified as a single treatment standard, the order of application is specified in § 268.42, Table 2 by indicating the five letter technology code that must

be applied first, then the designation "fb." (an abbreviation for "followed by"), then the five letter technology code for the technology that must be applied next, and so on.

Note 2: When more than one technology (or treatment train) are specified as alternative treatment standards, the five letter technology codes (or the treatment trains) are separated by a semicolon (;) with the last technology preceded by the word "OR". This indicates that any one of these BDAT technologies or treatment trains can be used for compliance with the standard.

268.42 Table 2.-Technology-Based Standards by RCRA Waste Code

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
D001	NA	Ignitable Liquids based on 261.21(a)(1)-Wastewaters	NA	DEACT	NA
D001	NA	Ignitable Liquids based on 261.21(a)(1)-Low TOC Ingitable Liquids Subcategory-Less than 10% total organic carbon.	NA	NA	DEACT
D001	NA	Ignitable Liquids based on 261.21(a)(1)-High TOC Ingitable Liquids Subcategory-Greater than or equal to 10% total organic carbon.	NA	NA	FSUBS; RORGS; or INCIN
D001	NA	Ignitable compressed gases based on 261.21(a)(3)	NA	NA	DEACT[2]
D001	NA	Ignitable reactives based on 261.21(a)(2)	NA	NA	DEACT
D001	NA	Oxidizers based on 261.21(a)(4)	NA	DEACT	DEACT
D002	NA	Acid subcategory based on 261.22(a)(1)	NA	DEACT	DEACT
D002	NA	Alkaline subcategory based on 261.22(a)(1)	NA	DEACT	DEACT
D002	NA	Other corrosives based on 261.22(a)(2)	NA	DEACT	DEACT
D003	NA	Reactive sulfides based on 261.23(a)(5)	NA	DEACT (may not be diluted)	DEACT (may not be diluted)
D003	NA	Explosives based on 261.23(a)(6),(7), and (8)	NA	DEACT	DEACT
D003	NA	Water reactives based on 261.23(a)(2), (3), and (4)	NA	NA	DEACT

D003	NA	Other reactives based on 261.23(a)(1)	NA	DEACT	DEACT
D006	NA	Cadmium containing batteries	7440-43-9	NA	RTHRM
D008	NA	Lead acid batteries (Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of 40 CFR 268 or exempted under other EPA regulations (see 40 CFR 266.80.)	7439-92-1	NA	RLEAD
D009	Table CCWE in 268.41 and Table CCW in 268.43	Mercury: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-contains mercury and organics (and are not incinerator residues))	7439-97-6	NA	IMERC; or RMERC
D009	Table CCWE in 268.41 and Table CCW in 268.43	Mercury: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-inorganics (including incinerator residues from RMERC))	7439-97-6	NA	RMERC
D012	Table CCW in 268.43	Endrin	72-20-8	BIODG; or INCIN	NA
D013	Table CCW in 268.43	Lindane	58-89-9	CARBN; or INCIN	NA
D014	Table CCW in 268.43	Methoxychlor	72-43-5	WETOX; or INCIN	NA
D015	Table CCW in 268.43	Toxaphene	8001-35-1	BIODG; or INCIN	NA
D016	Table CCW in 268.43	2,4-D	94-75-7	CHOXD; BIODG; or INCIN	NA
D017	Table CCW in 268.43	2,4,5-TP	93-72-1	CHOXD; or INCIN	NA
F005	Table CCWE in 268.41 and Table CCW in 268.43	2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
F005	Table	2-Ethoxyethanol	110-80-5	BIODG; or INCIN	INCIN

	CCWE in 268.41 and Table CCW in 268.43				
F024	Table CCWE in 268.41 and Table CCW in 268.43		NA	INCIN	INCIN
K025	NA	Distillation bottoms from the production of nitrobenzene by the nitration of benzene	NA	LLEXT fb SSTRP fb CARBN; or INCIN	INCIN
K026	NA	Stripping still tails from the production of methyl ethyl pyridines	NA	INCIN	INCIN
K027	NA	Centrifuge and distillation residues from toluene diisocyanate production	NA	CARBN; or INCIN	FSUBS; or INCIN
K039	NA	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	NA	CARBN; or INCIN	FSUBS; or INCIN
K044	NA	Wastewater treatment sludges from the manufacturing and processing of explosives	NA	DEACT	DEACT
K045	NA	Spent carbon from the treatment of wastewater containing explosives	NA	DEACT	DEACT
K047	NA	Pink/red water from TNT operations	NA	DEACT	DEACT
K069	Table CCWE in 268.41 and Table CCW in 268.43	Emission control dust/sludge from secondary lead smelting: Non-Calcium Sulfate Subcategory	NA	NA	RLEAD
K106	Table CCWE in 268.41 and Table CCW in 268.43	Wastewater treatment sludge from the mercury cell process in chlorine production: (High Mercury Subcategory-greater than or equal to 260 mg/kg total mercury)	NA	NA	RMERC
K113	NA	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	NA	CARBN; or INCIN	FSUBS; or INCIN
K114	NA	Vicinals from the purification of toluenediamine in the production	NA	CARBN; or INCIN	FSUBS; or INCIN

		of toluenediamine via hydrogenation of dinitrotoluene			
K115	NA	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotolueme	NA	CARBN; or INCIN	FSUBS; or INCIN
K116	NA	Organic condensate from the solvent recovery colunm in the production of toluene diisocyanate via phosgenation of toluenediamine	NA	CARBN; or INCIN	FSUBS; or INCIN
P001	NA	Warfarin (>0.3%)	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
P002	NA	1-Acetyl-2-thiourea	591-08-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P003	Table CCW in 268.43	Acrolein	107-02-8	NA	FSUBS; or INCIN
P005	NA	Allyl alcohol	107-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
P006	NA	Aluminum phosphide	20859-73-8	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
P007	NA	5-Aminoethyl 3-isoxazolol	2763-96-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P008	NA	4-Aminopyridine	504-24-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P009	NA	Ammonium picrate	131-74-8	CHOXD; CHRED, CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
P014	NA	Thiophenol (Benzene thiol)	108-98-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P015	NA	Beryllium dust	7440-41-7	RMETL; or RTHRM	RMETL; or RTHRM
P016	NA	Bis(chloromethyl) ether	542-88-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P017	NA	Bromoacetone	598-31-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN

P018	NA	Brucine	357-57-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P022	Table CCW in 268.43	Carbon disulfide	75-15-0	NA	INCIN
P023	NA	Chloroacetaldehyde	107-20-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P026	NA	1-(o-Chlorophenyl) thiourea	5344-82-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P027	NA	3-Chloropropionitrile	542-76-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P028	NA	Benzyl chloride	100-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P031	NA	Cyanogen	460-19-5	CHOXD; WETOX or INCIN	CHOXD; WETOX; or INCIN
P033	NA	Cyanogen chloride	506-77-4	CHOXD; WETOX or INCIN	CHOXD; WETOX; or INCIN
P034	NA	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P040	NA	O,O-Diethyl O-pyrazinyl phosphorothioate	297-97-2	CARBN; or INCIN	FSUBS; or INCIN
P041	NA	Diethyl-p-nitrophenyl phosphate	311-45-5	CARBN; or INCIN	FSUBS; or INCIN
P042	NA	Epinephrine	51-43-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P043	NA	Diisopropyl fluorophosphate (DFP)	55-91-4	CARBN; or INCIN	FSUBS; or INCIN
P044	NA	Dimethoate	60-51-5	CARBN; or INCIN	FSUBS or INCIN
P045	NA	Thiofanox	39196-18-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P046	NA	alpha,alpha-Dimethylphenethyl-amine	122-09-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P047	NA	4,6-Dinitro-o-cresol salts	534-52-1	(WETOX or	INCIN

				CHOXD) fb CARBN; or INCIN	
P049	NA	2,4-Dithiobiuret	541-53-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P054	NA	Aziridine	151-56-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P056	Table CCW in 268.43	Fluorine	7782-41-4	NA	ADAS fb NEUTR
P057	NA	Fluoroacetamide	640-19-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P058	NA	Fluoroacetic acid, sodium salt	62-74-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P062	NA	Hexaethyltetraphosphate	757-58-4	CARBN; or INCIN	FSUBS; or INCIN
P064	NA	Isocyanic acid, ethyl ester	624-83-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P065	Table CCWE in 268.41 and Table CCW in 268.43	Mercury fulminate: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-either incinerator residues or residues from RMERC)	628-86-4	NA	RMERC
P065	Table CCWE in 268.41 and Table CCW in 268.43	Mercury fulminate: (All Nonwastewasters that are not incinerator residues or are not residues from RMERC; regardless of Mercury Content)	628-86-4	NA	IMERC
P066	NA	Methomyl	16752-77-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P067	NA	2-Methylaziridine	75-55-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P068	NA	Methyl hydrazine	60-34-4	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
P069	NA	Methyllactonitrile	75-86-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P070	NA	Aldicarb	116-06-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN

P072	NA	1-Naphthyl-2-thiourea	86-88-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P075	NA	Nicotine and salts	[1]54-11-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P076	NA	Nitric oxide	10102-43-9	ADGAS	ADGAS
P078	NA	Nitrogen dioxide	10102-44-0	ADGAS	ADGAS
P081	NA	Nitroglycerin	55-63-0	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
P082	Table CCW in 268.43	N-Nitrosodimethylamine	62-75-9	NA	INCIN
P084	NA	N-Nitrosomethylvinylamine	4549-40-0	(WETOX or CHOXD) fb CARBN; OR INCIN	INCIN
P085	NA	Octamethylpyrophosphoramide	152-16-9	CARBN; or INCIN	FSUBS; or INCIN
P087	NA	Osmium tetroxide	20816-12-0	RMETL; or RTHRM	RMETL; or RTHRM
P088	NA	Endothall	145-73-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
P092	Table CCWE in 268.41 and Table CCW in 268.43	Phenyl mercury acetate: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-either incinerator residues or residues from RMERC)	62-38-4	NA	RMERC
P092	Table CCWE in 268.41 and Table CCW in 268.43	Phenyl mercury acetate: (All nonwastewaters that are not incinerator residues and are not residues from RMERC: regardless of Mercury Content)	62-38-4	NA	IMERC; or RMERC
P093	NA	N-Phenylthiouea	103-85-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P095	NA	Phosgene	75-44-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P096	NA	Phosphine	7803-51-2	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
P102	NA	Propargyl alcohol	107-19-7	(WETOX or	FSUBS; or INCIN

				CHOXD) fb CARBN; or INCIN	
P105	NA	Sodium azide	26628-22-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS, CHOXD; CHRED; or INCIN
P108	NA	Strychnine and salts	[1]57-24-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P109	NA	Tetraethyldithiopyrophosphate	3689-24-5	CARBN; or INCIN	FSUBS; or INCIN
P112	NA	Tetranitromethane	509-14-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS, CHOXD; CHRED; or INCIN
P113	Table CCW in 268.43	Thallic oxide	1314-32-5	NA	RTHRM; or STABL
P115	Table CCW in 268.43	Thallium (1) sulfate	7446-18-6	NA	RTHRM; or STABL
P116	NA	Thiosemicarbazide	79-19-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P118	NA	Thrichloromethanethiol	75-70-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P119	Table CCW in 268.43	Ammonium vanadate	7803-55-6	NA	STABL
P120	Table CCW in 268.43	Vanadium pentoxide	1314-62-1	NA	STABL
P122	NA	Zinc Phosphide (>10%)	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
U001	NA	Acetaldehyde	75-07-0	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U003	Table CCW in 268.43	Acetonitrile	75-05-8	NA	INCIN
U006	NA	Acetyl Chloride	75-36-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U007	NA	Acrylamide	79-06-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U008	NA	Acrylic acid	79-10-7	(WETOX or	FSUBS; or INCIN

				CHOXD) fb CARBN; or INCIN	
U010	NA	Mitomycin C	50-07-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U011	NA	Amitrole	61-82-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U014	NA	Auramine	492-80-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U015	NA	Azaserine	115-02-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U016	NA	Benz(c)acridine	225-51-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U017	NA	Benzal chloride	98-87-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U020	NA	Benzenesulfonyl chloride	98-09-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U021	NA	Benzidine	92-87-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U023	NA	Benzotrichloride	98-07-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U026	NA	Chlornaphazin	494-03-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U033	NA	Carbonyl fluoride	353-50-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U034	NA	Trichloroacetaldehyde (Chloral)	75-87-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U035	NA	Chlorambucil	305-03-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U038	Table CCW in 268.43	Chlorobenzilate	510-15-6	NA	INCIN
U041	NA	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	106-89-8	(WETOX or CHOXD) fb CARBN; or	INCIN

				INCIN	
U042	Table CCW in 268.43	2-Chloroethyl vinyl ether	110-75-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U046	NA	Chloromethyl methyl ether	107-30-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U049	NA	4-Chloro-o-toluidine hydrochloride	3165-93-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U053	NA	Crotonaldehyde	4170-30-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U055	NA	Cumene	98-82-8	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U056	NA	Cyclohexane	110-82-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U057	Table CCW in 268.43	Cyclohexanone	108-94-1	NA	FSUBS; or INCIN
U058	NA	Cyclophosphamide	50-18-0	CARBN; or INCIN	FSUBS; or INCIN
U059	NA	Daunomycin	20830-81-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U062	NA	Diallate	2303-16-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U064	NA	1,2,7,8-Dibenzopyrene	189-55-9	(WETOX or CHOXD) fb CARBN or INCIN	FSUBS; or INCIN
U073	NA	3,3'-Dichlorobenzidine	91-94-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U074	NA	cis-1,4-Dichloro-2-butylene trans-1,4-Dichloro-2-butylene	1476-11-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U085	NA	1,2:3,4-Diepoxybutane	1464-53-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U086	NA	N,N-Diethylhydrazine	1615--80-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U087	NA	0,0-Diethyl S-methyldithiophosphate	3288-58-2	CARBN; or INCIN	FSUBS; or INCIN

U089	NA	Diethyl stilbestrol	56-53-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U090	NA	Dihydrosafrole	94-58-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U091	NA	3,3'-Dimethoxybenzidine	119-90-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U092	NA	Dimethylamine	124-40-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U093	Table CCW in 268.43	p-Dimethylaminoazobenzene	621-90-9	NA	INCIN
U094	NA	7,12-Dimethyl benz(a)anthracene	57-97-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U095	NA	3,3'-Dimethylbenzidine	119-93-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U096	NA	a,a-Dimethyl benzyl hydroperoxide	80-15-9	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U097	NA	Dimethylcarbomyl chloride	79-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U098	NA	1,1-Dimethylhydrazine	57-14-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U099	NA	1,2-Dimethylhydrazine	540-73-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U103	NA	Dimethyl sulfate	77-78-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U109	NA	1,2-Diphenylhydrazine	122-66-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U110	NA	Dipropylamine	142-84-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U113	NA	Ethyl acrylate	140-88-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U114	NA	Ethylene bis-dithiocarbamic acid	111-54-6	(WETOX or	INCIN

				CHOXD) fb CARBN; or INCIN	
U115	NA	Ethylene oxide	75-21-8	(WETOX or CHOXD) fb CARBN; or INCIN	CHOXD; or INCIN
U116	NA	Ethylene thiourea	96-45-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U119	NA	Ethyl methane sulfonate	62-50-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U122	NA	Formaldehyde	50-00-0	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U123	NA	Formic acid	64-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U124	NA	Furan	110-00-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U125	NA	Furfural	98-01-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U126	NA	Glycidaldehyde	765-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U132	NA	Hexachlorophenene	70-30-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U133	NA	Hydrazine	302-01-2	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U134	Table CCW in 268.43	Hydrogen Flouride	7664-39-3	NA	ADGAS fb NEUTR; or NEUTR
U135	NA	Hydrogen Sulfide	7783-06-4	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
U143	NA	Lasiocarpine	303-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U147	NA	Maleic anhydride	108-31-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U148	NA	Maleic hydrazide	123-33-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN

U149	NA	Malononitrile	109-77-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U150	NA	Melphalan	148-82-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U151	Table CCWE in 268.41 and Table CCW in 268.43	Mercury: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury)	7439-97-6	NA	RMERC
U153	NA	Methane thiol	74-93-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U154	Table CCW in 268.43	Methanol	67-56-1	NA	FSUBS; or INCIN
U156	NA	Methyl chlorocarbonate	79-22-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U160	NA	Methyl ethyl ketone peroxide	1338-23-4	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U163	NA	N-Methyl N'-nitro N-Nitrosoguanidine	70-25-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U164	NA	Methylthiouracil	56-04-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U166	NA	1,4-Naphthoquinone	130-15-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U167	NA	1-Naphthylamine	134-32-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U168	Table CCW in 268.43	2-Naphthlyamine	91-59-8	NA	INCIN
U171	NA	2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U173	NA	N-Nitroso-di-n-ethanolamine	1116-54-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U176	NA	N-Nitroso-N-ethylurea	759-73-9	(WETOX or	INCIN

				CHOXD) fb CARBN; or INCIN	
U177	NA	N-Nitroso-N-methylurea	684-93-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U178	NA	N-Nitroso-N-methylurethane	615-53-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U182	NA	Paraldehyde	123-63-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U184	NA	Pentachloroethane	76-01-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U186	NA	1,3-Pentadiene	504-60-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U189	NA	Phosphorus sulfide	1314-80-3	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
U191	NA	2-Picoline	109-06-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U193	NA	1,3-Propane sultone	1120-71-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U194	NA	n-Propylamine	107-10-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U197	NA	p-Benzoquinone	106-51-4	(WETOX or CHOXD)	FSUBS; or INCIN
U200	NA	Reserpine	50-55-5	(WETOX or CHOXD) fb CARBN orINCIN	INCIN
U201	NA	Resorcinol	108-46-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS: or INCIN
U202	NA	Saccharin and salts	[1]81-07-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U206	NA	Streptozatocin	18883-66-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U213	NA	Tetrahydrofuran	109-99-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U214	Table	Thallium (I) acetate	563-68-8	NA	RTHRM; or

	CCW in 268.43				STABL
U215	Table CCW in 268.43	Thallium (I) carbonate	6533-73-9	NA	RTHRM; or STABL
U216	Table CCW in 268.43	Thallium (I) chloride	7791-12-0	NA	RTHRM; or STABL
U217	Table CCW in 268.43	Thallium (I) nitrate	10102-45-1	NA	RTHRM; or STABL
U218	NA	Thioacetamide	62-55-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U219	NA	Thiourea	62-56-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U221	NA	Toluenediamine	25376-45-8	CARBN; or INCIN	FSUBS; or INCIN
U222	NA	o-Toluidine hydrochloride	636-21-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U223	NA	Toluene diisocyanate	26471-62-5	CARBN; or INCIN	FSUBS; or INCIN
U234	NA	sym-Trinitrobenzene	99-35-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U236	NA	Trypan Blue	72-57-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U237	NA	Uracil mustard	66-75-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U238	NA	Ethyl carbamate	51-79-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U240	NA	2,4-Dichlorophenoxyacetic (salts and esters)	[1]94-75-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U244	NA	Thiram	137-26-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U246	NA	Cyanogen bromide	506-68-3	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN
U248	NA	Warfarin (.3% or less)	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN

U249	NA	Zinc Phosphide (<10%)	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN

[1]CAS Number given for parent compound only.
[2]This waste code exists in gaseous form and is not categorized as wastewater or nonwastewater forms.
Note: NA means Not Applicable.

268.42 Table 3.-Technology-Based Standards for Specific Radioactive Hazardous Mixed Waste

			Technology Code	
Waste code	Waste descriptions and/or treatment category	CAS No.	Wastewaters	Nonwastewaters
D002	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D004	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D005	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D006	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D007	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D008	Radioactive lead solids subcategory (Note: these lead solids include, but are not limited to, all forms of lead shielding, and other elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional pozzolanic	7439-92-1	NA	MACRO

	stabilization, nor do they include organolead materials that can be incinerated and stabilized as ash).			
D008	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D009	Elemental mercury contaminated with radioactive materials	7439-97-6	NA	AMLGM
D009	Hydraulic oil contaminated with mercury; radioactive materials subcategory	7439-97-6	NA	IMERC
D009	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D010	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D011	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
U151	Mercury: Elemental mercury contaminated with radioactive materials	7439-97-6	NA	AMLGM

Note: NA means Not Applicable.

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